

LOCKHEED MARTIN SERVICES GROUP  
ONE STERLING PLAZA  
10101 SOUTHWEST FREEWAY, SUITE 500  
HOUSTON, TEXAS 77074

**MEMORANDUM**

DATE: February 26, 1998  
TO: Dr. Melvin Ritter, ESAT RPO, Region VI  
FROM: Dr. Tom C.H. Chiang, ESAT Team Manager, Region VI  
SUBJECT: CLP Data Review *Tom C.H. Chiang*  
REF: TDF # 6-8166A, ESAT File # I-2170  
ESAT Contract No. 68-D6-0005

Attached is the data review summary for Case # 25969

SDG # MFHL94

Site DOYLE F J

TRANSFORMERS

**COMMENTS:**

I. CONTRACTUAL ASSESSMENT OF DATA PACKAGE:

The package was contractually compliant as determined by CCS and the Regional review.

II. TECHNICAL/USABILITY ASSESSMENT OF DATA PACKAGE:

A total of 456 results were reviewed for this data package. The package is technically provisional because of the following problems.

- A. The reviewer qualified approximately 18 percent of the results.
- B. The antimony matrix spike recovery was below the QC limit.
- C. Six selenium analyses had coefficients of variation greater than 20 percent.

911487



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
REGION 6  
HOUSTON BRANCH  
10625 FALLSTONE ROAD  
HOUSTON, TEXAS 77099

INORGANIC REGIONAL DATA ASSESSMENT

CASE NO. 25969 SITE DOYLE F J TRANSFORMERS  
LABORATORY AATS NO. OF SAMPLES 19  
CONTRACT# 68-D5-0141 MATRIX soil  
SDG# MFHL94 REVIEWER (IF NOT ESD) ESAT  
SOW# RAS ILM04.0 REVIEWER'S NAME Mike Fertitta  
ACCT# 8FAXJN27 SF# FAXU1D COMPLETION DATE February 26, 1998

SAMPLE NO.'s: MFH-L94 MFH-L99 MFH-M03 MFH-M07 MFH-M11  
MFH-L95 MFH-M00 MFH-M04 MFH-M08 MFH-M13  
MFH-L97 MFH-M01 MFH-M05 MFH-M09 MFH-M14  
MFH-L98 MFH-M02 MFH-M06 MFH-M10

DATA ASSESSMENT SUMMARY

|                        | ICP      | HG       | CN       |
|------------------------|----------|----------|----------|
| 1. HOLDING TIMES       | <u>O</u> | <u>O</u> | <u>O</u> |
| 2. CALIBRATIONS        | <u>O</u> | <u>O</u> | <u>O</u> |
| 3. BLANKS              | <u>O</u> | <u>O</u> | <u>O</u> |
| 4. MATRIX SPIKES       | <u>M</u> | <u>O</u> | <u>O</u> |
| 5. DUPLICATE ANALYSIS  | <u>M</u> | <u>O</u> | <u>O</u> |
| 6. ICP QC              | <u>M</u> |          |          |
| 7. FAA QC              |          |          |          |
| 8. LCS                 | <u>O</u> | <u>O</u> | <u>O</u> |
| 9. SAMPLE VERIFICATION | <u>O</u> | <u>O</u> | <u>O</u> |
| 10. OTHER QC           | <u>O</u> | <u>O</u> | <u>O</u> |
| 11. OVERALL ASSESSMENT | <u>M</u> | <u>O</u> | <u>O</u> |

O = Data had no problems.

M = Data qualified because of minor or major problems.

Z = Data unacceptable.

N/A = Not applicable.

**ACTION ITEMS:**

**AREAS OF CONCERN:** The antimony matrix spike recovery was less than 75 percent. The aluminum RPD was greater than 35 percent for the laboratory duplicate analyses. Serial dilution percent differences exceeded 10 percent for calcium and zinc. ICP coefficients of variation exceeded 20 percent for six selenium analyses.

**NOTABLE PERFORMANCE:** The package was two days early for the 35-day contractual data package turnaround time.

**INORGANIC QA REVIEW  
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**COMMENTS:** The laboratory analyzed 19 soil samples for total metals and cyanide by SOW ILM04.0. The sampler identified sample MFH-M05 as the laboratory QC sample and samples MFH-L97/MFH-M02 and MFH-M03/MFH-M04 as field duplicate pairs. The data package arrived at EPA 2 days early for the 35-day contractual data package turnaround time.

Approximately 60 percent of the reported results were above the CRDL's. The data package is technically provisional because of problems with a matrix spike recovery, a laboratory duplicate RPD, serial dilution percent differences, and ICP coefficients of variation. The technical usability of the sample results is discussed below, and any qualifications are listed in the Data Summary Table.

The reviewer conducted an Evidence Audit for the Complete Sample Delivery Group File (CSF), and the results are reported in the Evidence Inventory Checklist.

**NOTE:** THE FOLLOWING REVIEW NARRATIVE ADDRESSES BOTH CONTRACTUAL ISSUES (BASED ON THE STATEMENT OF WORK) AND TECHNICAL ISSUES (BASED ON THE NATIONAL FUNCTIONAL GUIDELINES). THE ASSESSMENT MADE FOR EACH QC PARAMETER IS SOLELY BASED ON THE TECHNICAL DATA USABILITY, WHICH MAY NOT NECESSARILY BE AFFECTED BY CONTRACTUAL PROBLEMS.

1. **Holding Times:** Acceptable. Sample preservation met contractual requirements. The laboratory analyzed the samples within the contractual holding time limits. Technical holding time limits have not yet been established for soil samples.
2. **Calibrations:** Acceptable. Instrument calibrations met contractual requirements. CRDL standard analyses indicated acceptable instrument performance near the CRDL's.
3. **Blanks:** Acceptable. All laboratory blanks met contractual criteria although the laboratory reported 10 analytes in the blanks. Laboratory blank concentrations for four analytes affected sample results below the CRDL's and one mercury and two arsenic results above the CRDL's. The arsenic results are biased low for samples MFH-M13 and MFH-M14, and the mercury result should be considered undetected for sample MFH-M14.

**Rinsates:** The samples in this SDG may be associated with rinsate samples MFH-L25 and MFH-L96 in SDG MFH-L25. Rinsate

**INORGANIC QA REVIEW  
CONTINUATION PAGE**

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**3.    Blanks (continued):**

sample MFH-L25 contained zinc above the CRDL and eight other analytes at concentrations below the CRDL's. The sodium and zinc concentrations in sample MFH-L25 were due to preparation blank concentrations of these analytes. Rinsate sample MFH-L96 contained lead at a concentration above the CRDL (2.4X) and 10 other analyte concentrations below the CRDL's. The aluminum, arsenic, calcium, and zinc concentrations in sample MFH-L96 were due to calibration or preparation blank concentrations of these analytes. ESAT does not have information identifying the samples associated with the rinsate samples, so no evaluation for potential effects can be performed.

- 4.    Pre-digestion/Pre-distillation Matrix Spike Recovery:**  
Provisional. The reviewer qualified the antimony sample results as estimated and biased low because the matrix spike recovery was below the QC limit.

- 5.    Duplicate Analysis:** Provisional. The reviewer qualified the aluminum sample results as estimated because the duplicate difference exceeded the technical QC limit. The chromium difference exceeded the SOW QC limit but was below the technical limit, so chromium sample results were not qualified.

**6.    ICP Quality Control:**

Interference Check Sample: Acceptable. Analyte recoveries for True Solution AB were within the QC limits. ICSA analyses indicated acceptable application of interelement and background corrections.

Serial Dilution: Provisional. The reviewer qualified the calcium and zinc sample results as estimated because the percent differences exceeded the QC limit. The serial dilution results were higher than the undiluted results, indicating that matrix interferences suppressed the signals for those analytes. Therefore, the calcium and zinc sample results were also qualified as low biased.

Coefficients of Variation: Provisional. The reviewer qualified as estimated the selenium results for samples MFH-L94, MFH-L97, MFH-L99, MFH-M00, MFH-M09, and MFH-M14 because coefficients of variation exceeded 20 percent.

- 7.    Furnace Atomic Absorption (FAA) Quality Control:** Not Applicable.

INORGANIC QA REVIEW  
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CASE 25969 SDG MFHL94 SITE DOYLE F J TRANSFORMERS LAB AATS

8. **Laboratory Control Sample (LCS):** Acceptable. Acceptable LCS results indicated satisfactory sample preparation and analysis.
9. **Sample Verification:** The laboratory was contacted concerning some CSF problems and minor reporting errors (see the Phone and FAX Record Logs).
10. **Other QC:**  
  
Field Duplicates: Acceptable. Consistent field duplicate results indicated satisfactory sampler and laboratory precision.
11. **Overall Assessment:** The data package is technically provisional with the following problems.

The reviewer qualified the antimony, calcium, and zinc sample results because of matrix related problems.

The reviewer qualified the aluminum sample results because of poor laboratory precision.

The reviewer qualified six selenium results because of poor ICP precision.

## INORGANIC DATA QUALIFIER DEFINITIONS

The following definitions provide brief explanations of the ESAT Region 6 qualifiers assigned to results in the inorganic data review process.

- U Undetected at the laboratory reported detection limit (IDL).
- L Reported concentration is between the IDL and the CRDL.
- J Result is estimated because of outlying quality control parameters such as matrix spike, serial dilution, FAA spike recovery, etc.
- R Result is unusable.
- F A possibility of a false negative exists.
- UC Reported concentration should be used as a raised detection limit because of apparent blank contamination.
- ^ High bias. Actual concentration may be lower than the concentration reported.
- v Low bias. Actual concentration may be higher than the concentration reported.

## DATA SUMMARY

Case No.: 25969

SDG. No.: MFHL94

Reviewer: M. FERTITTA

Laboratory: AATS

Matrix: SOIL

Units: mg/Kg

| EPA TR #=> | MFH-L94 | FLAG | MFH-L95 | FLAG | MFH-L97 | FLAG  | MFH-L98 | FLAG | MFH-L99 | FLAG | COMMENTS |
|------------|---------|------|---------|------|---------|-------|---------|------|---------|------|----------|
| ALUMINUM   | 21600   | J    | 22100   | J    | 11100   | J     | 7040    | J    | 8850    | J    |          |
| ANTIMONY   | 0.79    | UJv  | 0.80    | UJv  | 1.1     | LUCJv | 0.72    | UJv  | 0.77    | UJv  |          |
| ARSENIC    | 9.0     |      | 8.4     |      | 9.4     |       | 14.5    |      | 7.3     |      |          |
| BARIUM     | 216     |      | 303     |      | 206     |       | 89.6    |      | 200     |      |          |
| BERYLLIUM  | 1.3     |      | 1.5     |      | 0.94    | L     | 0.51    | L    | 0.75    | L    |          |
| CADMIUM    | 0.78    | L    | 0.27    | U    | 1.3     |       | 0.39    | L    | 0.31    | L    |          |
| CALCIUM    | 56000   | Jv   | 29200   | Jv   | 54200   | Jv    | 29600   | Jv   | 60400   | Jv   |          |
| CHROMIUM   | 27.0    |      | 26.0    |      | 19.3    |       | 15.5    |      | 11.7    |      |          |
| COBALT     | 15.5    |      | 18.1    |      | 12.2    | L     | 5.9     | L    | 8.8     | L    |          |
| COPPER     | 204     |      | 30.9    |      | 1390    |       | 1100    |      | 279     |      |          |
| IRON       | 18100   |      | 21300   |      | 17500   |       | 11400   |      | 11600   |      |          |
| LEAD       | 33.8    |      | 26.5    |      | 57.6    |       | 35.2    |      | 30.0    |      |          |
| MAGNESIUM  | 3190    |      | 2780    |      | 3130    |       | 1210    |      | 2050    |      |          |
| MANGANESE  | 1990    |      | 2060    |      | 1460    |       | 711     |      | 1210    |      |          |
| MERCURY    | 0.05    | U    | 0.06    | U    | 0.11    | LUC   | 0.06    | U    | 0.06    | U    |          |
| NICKEL     | 31.7    |      | 30.4    |      | 20.9    |       | 12.0    |      | 16.6    |      |          |
| POTASSIUM  | 2590    |      | 3810    |      | 1730    |       | 1260    |      | 2920    |      |          |
| SELENIUM   | 1.3     | UJ   | 1.3     | U    | 1.2     | UJ    | 1.2     | U    | 1.3     | UJ   |          |
| SILVER     | 0.53    | U    | 0.53    | U    | 0.50    | U     | 0.48    | U    | 0.51    | U    |          |
| SODIUM     | 346     | L    | 344     | L    | 244     | L     | 258     | L    | 404     | L    |          |
| THALLIUM   | 1.1     | U    | 1.2     | L    | 1.0     | L     | 0.96    | U    | 1.0     | U    |          |
| VANADIUM   | 72.2    |      | 79.8    |      | 50.1    |       | 24.2    |      | 35.2    |      |          |
| ZINC       | 101     | Jv   | 81.9    | Jv   | 159     | Jv    | 69.3    | Jv   | 125     | Jv   |          |
| CYANIDE    | 0.40    | L    | 0.25    | L    | 0.25    | L     | 0.18    | L    | 0.30    | L    |          |
| % SOLIDS   | 75.7    |      | 75.3    |      | 76.3    |       | 83.0    |      | 77.9    |      |          |

## DATA SUMMARY

Case No.: 25969

SDG. No.: MFHL94

Reviewer: M. FERTITTA

Laboratory: AATS

Matrix: SOIL

Units: mg/Kg

| EPA TR #=> | FLAG     | FLAG      | FLAG       | FLAG      | FLAG      | COMMENTS |
|------------|----------|-----------|------------|-----------|-----------|----------|
|            | MFH-M00  | MFH-M01   | MFH-M02    | MFH-M03   | MFH-M04   |          |
| ALUMINUM   | 16500 J  | 13300 J   | 14800 J    | 15600 J   | 14900 J   |          |
| ANTIMONY   | 0.80 UJv | 1.1 LUCJv | 0.98 LUCJv | 0.93 UJv  | 0.97 UJv  |          |
| ARSENIC    | 6.8      | 22.6      | 9.2        | 6.8       | 7.6       |          |
| BARIUM     | 214      | 206       | 195        | 139       | 148       |          |
| BERYLLIUM  | 1.1 L    | 0.90 L    | 1.1 L      | 0.94 L    | 0.98 L    |          |
| CADMIUM    | 0.27 U   | 0.85 L    | 0.77 L     | 0.42 L    | 0.48 L    |          |
| CALCIUM    | 11100 Jv | 67500 Jv  | 60700 Jv   | 133000 Jv | 139000 Jv |          |
| CHROMIUM   | 22.7     | 20.4      | 27.1       | 20.9      | 20.5      |          |
| COBALT     | 13.8     | 10.8 L    | 10.5 L     | 8.2 L     | 8.6 L     |          |
| COPPER     | 54.7     | 1760      | 1860       | 105       | 115       |          |
| IRON       | 19200    | 16700     | 16200      | 12600     | 15700     |          |
| LEAD       | 35.3     | 76.5      | 70.0       | 59.7      | 62.2      |          |
| MAGNESIUM  | 1930     | 3020      | 3370       | 3330      | 3450      |          |
| MANGANESE  | 1400     | 1340      | 1100       | 897       | 949       |          |
| MERCURY    | 0.11 LUC | 0.06 U    | 0.06 U     | 0.14 LUC  | 0.08 U    |          |
| NICKEL     | 21.7     | 18.6      | 20.1       | 20.6      | 21.3      |          |
| POTASSIUM  | 1810     | 1870      | 2050       | 2030      | 2000      |          |
| SELENIUM   | 1.3 UJ   | 1.2 U     | 1.3 U      | 1.6 U     | 1.6 U     |          |
| SILVER     | 0.53 U   | 0.50 U    | 0.53 U     | 0.62 U    | 0.64 U    |          |
| SODIUM     | 320 L    | 359 L     | 359 L      | 438 L     | 436 L     |          |
| THALLIUM   | 1.1 U    | 0.99 U    | 1.1 U      | 1.2 U     | 1.3 U     |          |
| VANADIUM   | 59.2     | 44.2      | 53.8       | 49.7      | 51.2      |          |
| ZINC       | 117 Jv   | 143 Jv    | 189 Jv     | 152 Jv    | 169 Jv    |          |
| CYANIDE    | 0.19 L   | 0.23 L    | 0.29 L     | 0.35 L    | 0.80      |          |
| † SOLIDS   | 74.9     | 80.7      | 75.0       | 64.2      | 62.1      |          |



## DATA SUMMARY

Case No.: 25969

SDG. No.: MFHL94

Reviewer: M. FERTITTA

Laboratory: AATS

Matrix: SOIL

Units: mg/Kg

| EPA TR #=> | FLAG<br>MFH-M05 | FLAG<br>MFH-M06 | FLAG<br>MFH-M07 | FLAG<br>MFH-M08 | FLAG<br>MFH-M09 | COMMENTS |
|------------|-----------------|-----------------|-----------------|-----------------|-----------------|----------|
| ALUMINUM   | 11600 J         | 11800 J         | 12100 J         | 7260 J          | 21500 J         |          |
| ANTIMONY   | 0.95 LUCJv      | 0.84 LUCJv      | 0.97 LUCJv      | 0.97 UJv        | 0.90 UJv        |          |
| ARSENIC    | 7.6             | 8.0             | 8.9             | 10.9            | 9.8             |          |
| BARIUM     | 144             | 236             | 113             | 128             | 224             |          |
| BERYLLIUM  | 0.82 L          | 0.92 L          | 0.89 L          | 0.74 L          | 1.5 L           |          |
| CADMIUM    | 1.1 L           | 0.27 U          | 0.45 L          | 0.75 L          | 0.30 U          |          |
| CALCIUM    | 106000 Jv       | 35500 Jv        | 145000 Jv       | 148000 Jv       | 29700 Jv        |          |
| CHROMIUM   | 17.7            | 14.0            | 17.3            | 11.1            | 25.7            |          |
| COBALT     | 7.2 L           | 14.1            | 6.0 L           | 8.0 L           | 15.1            |          |
| COPPER     | 1580            | 18.0            | 98.4            | 42.7            | 20.0            |          |
| IRON       | 13000           | 13000           | 16000           | 13300           | 23600           |          |
| LEAD       | 73.5            | 16.9            | 30.6            | 107             | 24.6            |          |
| MAGNESIUM  | 5270            | 4000            | 4510            | 2350            | 2930            |          |
| MANGANESE  | 738             | 1100            | 634             | 910             | 1300            |          |
| MERCURY    | 0.06 U          | 0.07 U          | 0.07 U          | 0.08 U          | 0.08 U          |          |
| NICKEL     | 17.8            | 19.2            | 17.4            | 16.5            | 34.0            |          |
| POTASSIUM  | 1900            | 1400            | 1890            | 1210 L          | 2470            |          |
| SELENIUM   | 1.3 U           | 1.4 U           | 1.5 U           | 1.6 U           | 1.5 UJ          |          |
| SILVER     | 0.53 U          | 0.54 U          | 0.60 U          | 0.65 U          | 0.60 U          |          |
| SODIUM     | 442 L           | 380 L           | 481 L           | 605 L           | 383 L           |          |
| THALLIUM   | 1.1 L           | 1.1 U           | 1.3 L           | 1.3 U           | 1.2 U           |          |
| VANADIUM   | 35.8            | 42.0            | 41.9            | 33.5            | 79.6            |          |
| ZINC       | 126 Jv          | 90.0 Jv         | 169 Jv          | 160 Jv          | 88.0 Jv         |          |
| CYANIDE    | 0.22 L          | 0.14 L          | 0.22 L          | 0.33 L          | 0.22 L          |          |
| % SOLIDS   | 75.9            | 73.9            | 66.5            | 61.7            | 66.6            |          |

## DATA SUMMARY

Case No.: 25969

SDG. No.: MFHL94

Reviewer: M. FERTITTA

Laboratory: AATS

Matrix: SOIL

Units: mg/Kg

| EPA TR #=> | FLAG     | FLAG       | FLAG      | FLAG      | FLAG | FLAG | COMMENTS |
|------------|----------|------------|-----------|-----------|------|------|----------|
|            | MFH-M10  | MFH-M11    | MFH-M13   | MFH-M14   |      |      |          |
| ALUMINUM   | 15800 J  | 2540 J     | 10500 J   | 6960 J    |      |      |          |
| ANTIMONY   | 0.76 UJv | 0.79 LUCJv | 0.82 UJv  | 2.4 LUCJv |      |      |          |
| ARSENIC    | 6.6      | 0.98 LJv   | 4.3 Jv    | 3.7 Jv    |      |      |          |
| BARIUM     | 129      | 58.8       | 71.0      | 89.9      |      |      |          |
| BERYLLIUM  | 0.86 L   | 0.31 L     | 0.72 L    | 0.54 L    |      |      |          |
| CADMIUM    | 0.25 U   | 0.25 U     | 0.27 U    | 0.41 L    |      |      |          |
| CALCIUM    | 48400 Jv | 16500 Jv   | 232000 Jv | 239000 Jv |      |      |          |
| CHROMIUM   | 18.3     | 8.2        | 14.1      | 11.4      |      |      |          |
| COBALT     | 5.9 L    | 4.0 L      | 5.3 L     | 5.2 L     |      |      |          |
| COPPER     | 22.9     | 10.5       | 11.6      | 20.6      |      |      |          |
| IRON       | 12900    | 5940       | 12500     | 12700     |      |      |          |
| LEAD       | 13.6     | 4.9        | 14.6      | 27.9      |      |      |          |
| MAGNESIUM  | 2850     | 689 L      | 2410      | 2180      |      |      |          |
| MANGANESE  | 494      | 310        | 541       | 544       |      |      |          |
| MERCURY    | 0.06 U   | 0.06 U     | 0.13 LUC  | 0.15 UC   |      |      |          |
| NICKEL     | 15.1     | 5.4 L      | 14.8      | 11.4 L    |      |      |          |
| POTASSIUM  | 1810     | 510 L      | 2210      | 2590      |      |      |          |
| SELENIUM   | 1.3 U    | 1.2 U      | 1.4 U     | 2.6 J     |      |      |          |
| SILVER     | 0.51 U   | 0.49 U     | 0.55 U    | 0.61 U    |      |      |          |
| SODIUM     | 352 L    | 256 L      | 526 L     | 511 L     |      |      |          |
| THALLIUM   | 1.1 L    | 0.98 U     | 1.1 U     | 1.9 L     |      |      |          |
| VANADIUM   | 39.6     | 14.1       | 34.9      | 23.3      |      |      |          |
| ZINC       | 46.7 Jv  | 21.7 Jv    | 51.9 Jv   | 202 Jv    |      |      |          |
| CYANIDE    | 0.19 L   | 0.05 L     | 0.27 LUC  | 0.12 LUC  |      |      |          |
| % SOLIDS   | 78.6     | 81.3       | 73.0      | 65.3      |      |      |          |

# INORGANIC/ORGANIC COMPLETE SDG FILE (CSF) INVENTORY CHECKLIST

Case No. 25969 SDG No. MFHL94 SDG Nos. To Follow \_\_\_\_\_ SAS No. \_\_\_\_\_ Date Rec 02/17/98

| <b>EPA Lab ID:</b> <u>AATS</u><br><b>Lab Location:</b> <u>Broken Arrow, OK</u><br><b>Region:</b> <u>6</u> <b>Audit No.:</b> <u>25969/MFHL94</u><br><b>Re_Submitted CSF?</b> Yes _____ No <u>X</u><br><b>Box No(s):</b> <u>1</u><br><b>COMMENTS:</b><br>3 The reviewer made some minor pagination corrections on the Form. | <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 75%;">ORIGINALS</th> <th style="width: 10%;">YES</th> <th style="width: 10%;">NO</th> <th style="width: 5%;">N/A</th> </tr> </thead> <tbody> <tr> <td><b>CUSTODY SEALS</b></td> <td></td> <td></td> <td></td> </tr> <tr> <td>1. Present on package?</td> <td>X</td> <td></td> <td></td> </tr> <tr> <td>2. Intact upon receipt?</td> <td>X</td> <td></td> <td></td> </tr> <tr> <td><b>FORM DC-2</b></td> <td></td> <td></td> <td></td> </tr> <tr> <td>3. Numbering scheme accurate?</td> <td></td> <td>X</td> <td></td> </tr> <tr> <td>4. Are enclosed documents listed?</td> <td>X</td> <td></td> <td></td> </tr> <tr> <td>5. Are listed documents enclosed?</td> <td>X</td> <td></td> <td></td> </tr> <tr> <td><b>FORM DC-1</b></td> <td></td> <td></td> <td></td> </tr> <tr> <td>6. Present?</td> <td>X</td> <td></td> <td></td> </tr> <tr> <td>7. Complete?</td> <td>X</td> <td></td> <td></td> </tr> <tr> <td>8. Accurate?</td> <td>X</td> <td></td> <td></td> </tr> <tr> <td><b>CHAIN-OF-CUSTODY RECORD(s)</b></td> <td></td> <td></td> <td></td> </tr> <tr> <td>9. Signed?</td> <td>X</td> <td></td> <td></td> </tr> <tr> <td>10. Dated?</td> <td>X</td> <td></td> <td></td> </tr> <tr> <td><b>TRAFFIC REPORT(s) PACKING LIST(s)</b></td> <td></td> <td></td> <td></td> </tr> <tr> <td>11. Signed?</td> <td>X</td> <td></td> <td></td> </tr> <tr> <td>12. Dated?</td> <td>X</td> <td></td> <td></td> </tr> <tr> <td><b>AIRBILLS/AIRBILL STICKER</b></td> <td></td> <td></td> <td></td> </tr> <tr> <td>13. Present?</td> <td>X</td> <td></td> <td></td> </tr> <tr> <td>14. Signed?</td> <td>X</td> <td></td> <td></td> </tr> <tr> <td>15. Dated?</td> <td>X</td> <td></td> <td></td> </tr> <tr> <td><b>SAMPLE TAGS</b></td> <td></td> <td></td> <td></td> </tr> <tr> <td>16. Does DC-1 list tags as being included?</td> <td>X</td> <td></td> <td></td> </tr> <tr> <td>17. Present?</td> <td>X</td> <td></td> <td></td> </tr> <tr> <td><b>OTHER DOCUMENTS</b></td> <td></td> <td></td> <td></td> </tr> <tr> <td>18. Complete?</td> <td>X</td> <td></td> <td></td> </tr> <tr> <td>19. Legible?</td> <td>X</td> <td></td> <td></td> </tr> <tr> <td>20. Original?</td> <td></td> <td>X</td> <td></td> </tr> <tr> <td>20a. If "NO", does the copy indicate where original documents are located?</td> <td>X</td> <td></td> <td></td> </tr> </tbody> </table> | ORIGINALS | YES | NO | N/A | <b>CUSTODY SEALS</b> |  |  |  | 1. Present on package? | X |  |  | 2. Intact upon receipt? | X |  |  | <b>FORM DC-2</b> |  |  |  | 3. Numbering scheme accurate? |  | X |  | 4. Are enclosed documents listed? | X |  |  | 5. Are listed documents enclosed? | X |  |  | <b>FORM DC-1</b> |  |  |  | 6. Present? | X |  |  | 7. Complete? | X |  |  | 8. Accurate? | X |  |  | <b>CHAIN-OF-CUSTODY RECORD(s)</b> |  |  |  | 9. Signed? | X |  |  | 10. Dated? | X |  |  | <b>TRAFFIC REPORT(s) PACKING LIST(s)</b> |  |  |  | 11. Signed? | X |  |  | 12. Dated? | X |  |  | <b>AIRBILLS/AIRBILL STICKER</b> |  |  |  | 13. Present? | X |  |  | 14. Signed? | X |  |  | 15. Dated? | X |  |  | <b>SAMPLE TAGS</b> |  |  |  | 16. Does DC-1 list tags as being included? | X |  |  | 17. Present? | X |  |  | <b>OTHER DOCUMENTS</b> |  |  |  | 18. Complete? | X |  |  | 19. Legible? | X |  |  | 20. Original? |  | X |  | 20a. If "NO", does the copy indicate where original documents are located? | X |  |  |
|---|---|-----------|-----|----|-----|----------------------|--|--|--|------------------------|---|--|--|-------------------------|---|--|--|------------------|--|--|--|-------------------------------|--|---|--|-----------------------------------|---|--|--|-----------------------------------|---|--|--|------------------|--|--|--|-------------|---|--|--|--------------|---|--|--|--------------|---|--|--|-----------------------------------|--|--|--|------------|---|--|--|------------|---|--|--|--|--|--|--|-------------|---|--|--|------------|---|--|--|---------------------------------|--|--|--|--------------|---|--|--|-------------|---|--|--|------------|---|--|--|--------------------|--|--|--|--|---|--|--|--------------|---|--|--|------------------------|--|--|--|---------------|---|--|--|--------------|---|--|--|---------------|--|---|--|--|---|--|--|
| ORIGINALS   | YES   | NO        | N/A |    |     |                      |  |  |  |                        |   |  |  |                         |   |  |  |                  |  |  |  |                               |  |   |  |                                   |   |  |  |                                   |   |  |  |                  |  |  |  |             |   |  |  |              |   |  |  |              |   |  |  |                                   |  |  |  |            |   |  |  |            |   |  |  |  |  |  |  |             |   |  |  |            |   |  |  |                                 |  |  |  |              |   |  |  |             |   |  |  |            |   |  |  |                    |  |  |  |  |   |  |  |              |   |  |  |                        |  |  |  |               |   |  |  |              |   |  |  |               |  |   |  |  |   |  |  |
| <b>CUSTODY SEALS</b>  |   |           |     |    |     |                      |  |  |  |                        |   |  |  |                         |   |  |  |                  |  |  |  |                               |  |   |  |                                   |   |  |  |                                   |   |  |  |                  |  |  |  |             |   |  |  |              |   |  |  |              |   |  |  |                                   |  |  |  |            |   |  |  |            |   |  |  |  |  |  |  |             |   |  |  |            |   |  |  |                                 |  |  |  |              |   |  |  |             |   |  |  |            |   |  |  |                    |  |  |  |  |   |  |  |              |   |  |  |                        |  |  |  |               |   |  |  |              |   |  |  |               |  |   |  |  |   |  |  |
| 1. Present on package?  | X   |           |     |    |     |                      |  |  |  |                        |   |  |  |                         |   |  |  |                  |  |  |  |                               |  |   |  |                                   |   |  |  |                                   |   |  |  |                  |  |  |  |             |   |  |  |              |   |  |  |              |   |  |  |                                   |  |  |  |            |   |  |  |            |   |  |  |  |  |  |  |             |   |  |  |            |   |  |  |                                 |  |  |  |              |   |  |  |             |   |  |  |            |   |  |  |                    |  |  |  |  |   |  |  |              |   |  |  |                        |  |  |  |               |   |  |  |              |   |  |  |               |  |   |  |  |   |  |  |
| 2. Intact upon receipt?   | X   |           |     |    |     |                      |  |  |  |                        |   |  |  |                         |   |  |  |                  |  |  |  |                               |  |   |  |                                   |   |  |  |                                   |   |  |  |                  |  |  |  |             |   |  |  |              |   |  |  |              |   |  |  |                                   |  |  |  |            |   |  |  |            |   |  |  |  |  |  |  |             |   |  |  |            |   |  |  |                                 |  |  |  |              |   |  |  |             |   |  |  |            |   |  |  |                    |  |  |  |  |   |  |  |              |   |  |  |                        |  |  |  |               |   |  |  |              |   |  |  |               |  |   |  |  |   |  |  |
| <b>FORM DC-2</b>  |   |           |     |    |     |                      |  |  |  |                        |   |  |  |                         |   |  |  |                  |  |  |  |                               |  |   |  |                                   |   |  |  |                                   |   |  |  |                  |  |  |  |             |   |  |  |              |   |  |  |              |   |  |  |                                   |  |  |  |            |   |  |  |            |   |  |  |  |  |  |  |             |   |  |  |            |   |  |  |                                 |  |  |  |              |   |  |  |             |   |  |  |            |   |  |  |                    |  |  |  |  |   |  |  |              |   |  |  |                        |  |  |  |               |   |  |  |              |   |  |  |               |  |   |  |  |   |  |  |
| 3. Numbering scheme accurate?   |   | X         |     |    |     |                      |  |  |  |                        |   |  |  |                         |   |  |  |                  |  |  |  |                               |  |   |  |                                   |   |  |  |                                   |   |  |  |                  |  |  |  |             |   |  |  |              |   |  |  |              |   |  |  |                                   |  |  |  |            |   |  |  |            |   |  |  |  |  |  |  |             |   |  |  |            |   |  |  |                                 |  |  |  |              |   |  |  |             |   |  |  |            |   |  |  |                    |  |  |  |  |   |  |  |              |   |  |  |                        |  |  |  |               |   |  |  |              |   |  |  |               |  |   |  |  |   |  |  |
| 4. Are enclosed documents listed?   | X   |           |     |    |     |                      |  |  |  |                        |   |  |  |                         |   |  |  |                  |  |  |  |                               |  |   |  |                                   |   |  |  |                                   |   |  |  |                  |  |  |  |             |   |  |  |              |   |  |  |              |   |  |  |                                   |  |  |  |            |   |  |  |            |   |  |  |  |  |  |  |             |   |  |  |            |   |  |  |                                 |  |  |  |              |   |  |  |             |   |  |  |            |   |  |  |                    |  |  |  |  |   |  |  |              |   |  |  |                        |  |  |  |               |   |  |  |              |   |  |  |               |  |   |  |  |   |  |  |
| 5. Are listed documents enclosed?   | X   |           |     |    |     |                      |  |  |  |                        |   |  |  |                         |   |  |  |                  |  |  |  |                               |  |   |  |                                   |   |  |  |                                   |   |  |  |                  |  |  |  |             |   |  |  |              |   |  |  |              |   |  |  |                                   |  |  |  |            |   |  |  |            |   |  |  |  |  |  |  |             |   |  |  |            |   |  |  |                                 |  |  |  |              |   |  |  |             |   |  |  |            |   |  |  |                    |  |  |  |  |   |  |  |              |   |  |  |                        |  |  |  |               |   |  |  |              |   |  |  |               |  |   |  |  |   |  |  |
| <b>FORM DC-1</b>  |   |           |     |    |     |                      |  |  |  |                        |   |  |  |                         |   |  |  |                  |  |  |  |                               |  |   |  |                                   |   |  |  |                                   |   |  |  |                  |  |  |  |             |   |  |  |              |   |  |  |              |   |  |  |                                   |  |  |  |            |   |  |  |            |   |  |  |  |  |  |  |             |   |  |  |            |   |  |  |                                 |  |  |  |              |   |  |  |             |   |  |  |            |   |  |  |                    |  |  |  |  |   |  |  |              |   |  |  |                        |  |  |  |               |   |  |  |              |   |  |  |               |  |   |  |  |   |  |  |
| 6. Present?   | X   |           |     |    |     |                      |  |  |  |                        |   |  |  |                         |   |  |  |                  |  |  |  |                               |  |   |  |                                   |   |  |  |                                   |   |  |  |                  |  |  |  |             |   |  |  |              |   |  |  |              |   |  |  |                                   |  |  |  |            |   |  |  |            |   |  |  |  |  |  |  |             |   |  |  |            |   |  |  |                                 |  |  |  |              |   |  |  |             |   |  |  |            |   |  |  |                    |  |  |  |  |   |  |  |              |   |  |  |                        |  |  |  |               |   |  |  |              |   |  |  |               |  |   |  |  |   |  |  |
| 7. Complete?  | X   |           |     |    |     |                      |  |  |  |                        |   |  |  |                         |   |  |  |                  |  |  |  |                               |  |   |  |                                   |   |  |  |                                   |   |  |  |                  |  |  |  |             |   |  |  |              |   |  |  |              |   |  |  |                                   |  |  |  |            |   |  |  |            |   |  |  |  |  |  |  |             |   |  |  |            |   |  |  |                                 |  |  |  |              |   |  |  |             |   |  |  |            |   |  |  |                    |  |  |  |  |   |  |  |              |   |  |  |                        |  |  |  |               |   |  |  |              |   |  |  |               |  |   |  |  |   |  |  |
| 8. Accurate?  | X   |           |     |    |     |                      |  |  |  |                        |   |  |  |                         |   |  |  |                  |  |  |  |                               |  |   |  |                                   |   |  |  |                                   |   |  |  |                  |  |  |  |             |   |  |  |              |   |  |  |              |   |  |  |                                   |  |  |  |            |   |  |  |            |   |  |  |  |  |  |  |             |   |  |  |            |   |  |  |                                 |  |  |  |              |   |  |  |             |   |  |  |            |   |  |  |                    |  |  |  |  |   |  |  |              |   |  |  |                        |  |  |  |               |   |  |  |              |   |  |  |               |  |   |  |  |   |  |  |
| <b>CHAIN-OF-CUSTODY RECORD(s)</b>   |   |           |     |    |     |                      |  |  |  |                        |   |  |  |                         |   |  |  |                  |  |  |  |                               |  |   |  |                                   |   |  |  |                                   |   |  |  |                  |  |  |  |             |   |  |  |              |   |  |  |              |   |  |  |                                   |  |  |  |            |   |  |  |            |   |  |  |  |  |  |  |             |   |  |  |            |   |  |  |                                 |  |  |  |              |   |  |  |             |   |  |  |            |   |  |  |                    |  |  |  |  |   |  |  |              |   |  |  |                        |  |  |  |               |   |  |  |              |   |  |  |               |  |   |  |  |   |  |  |
| 9. Signed?  | X   |           |     |    |     |                      |  |  |  |                        |   |  |  |                         |   |  |  |                  |  |  |  |                               |  |   |  |                                   |   |  |  |                                   |   |  |  |                  |  |  |  |             |   |  |  |              |   |  |  |              |   |  |  |                                   |  |  |  |            |   |  |  |            |   |  |  |  |  |  |  |             |   |  |  |            |   |  |  |                                 |  |  |  |              |   |  |  |             |   |  |  |            |   |  |  |                    |  |  |  |  |   |  |  |              |   |  |  |                        |  |  |  |               |   |  |  |              |   |  |  |               |  |   |  |  |   |  |  |
| 10. Dated?  | X   |           |     |    |     |                      |  |  |  |                        |   |  |  |                         |   |  |  |                  |  |  |  |                               |  |   |  |                                   |   |  |  |                                   |   |  |  |                  |  |  |  |             |   |  |  |              |   |  |  |              |   |  |  |                                   |  |  |  |            |   |  |  |            |   |  |  |  |  |  |  |             |   |  |  |            |   |  |  |                                 |  |  |  |              |   |  |  |             |   |  |  |            |   |  |  |                    |  |  |  |  |   |  |  |              |   |  |  |                        |  |  |  |               |   |  |  |              |   |  |  |               |  |   |  |  |   |  |  |
| <b>TRAFFIC REPORT(s) PACKING LIST(s)</b>  |   |           |     |    |     |                      |  |  |  |                        |   |  |  |                         |   |  |  |                  |  |  |  |                               |  |   |  |                                   |   |  |  |                                   |   |  |  |                  |  |  |  |             |   |  |  |              |   |  |  |              |   |  |  |                                   |  |  |  |            |   |  |  |            |   |  |  |  |  |  |  |             |   |  |  |            |   |  |  |                                 |  |  |  |              |   |  |  |             |   |  |  |            |   |  |  |                    |  |  |  |  |   |  |  |              |   |  |  |                        |  |  |  |               |   |  |  |              |   |  |  |               |  |   |  |  |   |  |  |
| 11. Signed?   | X   |           |     |    |     |                      |  |  |  |                        |   |  |  |                         |   |  |  |                  |  |  |  |                               |  |   |  |                                   |   |  |  |                                   |   |  |  |                  |  |  |  |             |   |  |  |              |   |  |  |              |   |  |  |                                   |  |  |  |            |   |  |  |            |   |  |  |  |  |  |  |             |   |  |  |            |   |  |  |                                 |  |  |  |              |   |  |  |             |   |  |  |            |   |  |  |                    |  |  |  |  |   |  |  |              |   |  |  |                        |  |  |  |               |   |  |  |              |   |  |  |               |  |   |  |  |   |  |  |
| 12. Dated?  | X   |           |     |    |     |                      |  |  |  |                        |   |  |  |                         |   |  |  |                  |  |  |  |                               |  |   |  |                                   |   |  |  |                                   |   |  |  |                  |  |  |  |             |   |  |  |              |   |  |  |              |   |  |  |                                   |  |  |  |            |   |  |  |            |   |  |  |  |  |  |  |             |   |  |  |            |   |  |  |                                 |  |  |  |              |   |  |  |             |   |  |  |            |   |  |  |                    |  |  |  |  |   |  |  |              |   |  |  |                        |  |  |  |               |   |  |  |              |   |  |  |               |  |   |  |  |   |  |  |
| <b>AIRBILLS/AIRBILL STICKER</b>   |   |           |     |    |     |                      |  |  |  |                        |   |  |  |                         |   |  |  |                  |  |  |  |                               |  |   |  |                                   |   |  |  |                                   |   |  |  |                  |  |  |  |             |   |  |  |              |   |  |  |              |   |  |  |                                   |  |  |  |            |   |  |  |            |   |  |  |  |  |  |  |             |   |  |  |            |   |  |  |                                 |  |  |  |              |   |  |  |             |   |  |  |            |   |  |  |                    |  |  |  |  |   |  |  |              |   |  |  |                        |  |  |  |               |   |  |  |              |   |  |  |               |  |   |  |  |   |  |  |
| 13. Present?  | X   |           |     |    |     |                      |  |  |  |                        |   |  |  |                         |   |  |  |                  |  |  |  |                               |  |   |  |                                   |   |  |  |                                   |   |  |  |                  |  |  |  |             |   |  |  |              |   |  |  |              |   |  |  |                                   |  |  |  |            |   |  |  |            |   |  |  |  |  |  |  |             |   |  |  |            |   |  |  |                                 |  |  |  |              |   |  |  |             |   |  |  |            |   |  |  |                    |  |  |  |  |   |  |  |              |   |  |  |                        |  |  |  |               |   |  |  |              |   |  |  |               |  |   |  |  |   |  |  |
| 14. Signed?   | X   |           |     |    |     |                      |  |  |  |                        |   |  |  |                         |   |  |  |                  |  |  |  |                               |  |   |  |                                   |   |  |  |                                   |   |  |  |                  |  |  |  |             |   |  |  |              |   |  |  |              |   |  |  |                                   |  |  |  |            |   |  |  |            |   |  |  |  |  |  |  |             |   |  |  |            |   |  |  |                                 |  |  |  |              |   |  |  |             |   |  |  |            |   |  |  |                    |  |  |  |  |   |  |  |              |   |  |  |                        |  |  |  |               |   |  |  |              |   |  |  |               |  |   |  |  |   |  |  |
| 15. Dated?  | X   |           |     |    |     |                      |  |  |  |                        |   |  |  |                         |   |  |  |                  |  |  |  |                               |  |   |  |                                   |   |  |  |                                   |   |  |  |                  |  |  |  |             |   |  |  |              |   |  |  |              |   |  |  |                                   |  |  |  |            |   |  |  |            |   |  |  |  |  |  |  |             |   |  |  |            |   |  |  |                                 |  |  |  |              |   |  |  |             |   |  |  |            |   |  |  |                    |  |  |  |  |   |  |  |              |   |  |  |                        |  |  |  |               |   |  |  |              |   |  |  |               |  |   |  |  |   |  |  |
| <b>SAMPLE TAGS</b>  |   |           |     |    |     |                      |  |  |  |                        |   |  |  |                         |   |  |  |                  |  |  |  |                               |  |   |  |                                   |   |  |  |                                   |   |  |  |                  |  |  |  |             |   |  |  |              |   |  |  |              |   |  |  |                                   |  |  |  |            |   |  |  |            |   |  |  |  |  |  |  |             |   |  |  |            |   |  |  |                                 |  |  |  |              |   |  |  |             |   |  |  |            |   |  |  |                    |  |  |  |  |   |  |  |              |   |  |  |                        |  |  |  |               |   |  |  |              |   |  |  |               |  |   |  |  |   |  |  |
| 16. Does DC-1 list tags as being included?  | X   |           |     |    |     |                      |  |  |  |                        |   |  |  |                         |   |  |  |                  |  |  |  |                               |  |   |  |                                   |   |  |  |                                   |   |  |  |                  |  |  |  |             |   |  |  |              |   |  |  |              |   |  |  |                                   |  |  |  |            |   |  |  |            |   |  |  |  |  |  |  |             |   |  |  |            |   |  |  |                                 |  |  |  |              |   |  |  |             |   |  |  |            |   |  |  |                    |  |  |  |  |   |  |  |              |   |  |  |                        |  |  |  |               |   |  |  |              |   |  |  |               |  |   |  |  |   |  |  |
| 17. Present?  | X   |           |     |    |     |                      |  |  |  |                        |   |  |  |                         |   |  |  |                  |  |  |  |                               |  |   |  |                                   |   |  |  |                                   |   |  |  |                  |  |  |  |             |   |  |  |              |   |  |  |              |   |  |  |                                   |  |  |  |            |   |  |  |            |   |  |  |  |  |  |  |             |   |  |  |            |   |  |  |                                 |  |  |  |              |   |  |  |             |   |  |  |            |   |  |  |                    |  |  |  |  |   |  |  |              |   |  |  |                        |  |  |  |               |   |  |  |              |   |  |  |               |  |   |  |  |   |  |  |
| <b>OTHER DOCUMENTS</b>  |   |           |     |    |     |                      |  |  |  |                        |   |  |  |                         |   |  |  |                  |  |  |  |                               |  |   |  |                                   |   |  |  |                                   |   |  |  |                  |  |  |  |             |   |  |  |              |   |  |  |              |   |  |  |                                   |  |  |  |            |   |  |  |            |   |  |  |  |  |  |  |             |   |  |  |            |   |  |  |                                 |  |  |  |              |   |  |  |             |   |  |  |            |   |  |  |                    |  |  |  |  |   |  |  |              |   |  |  |                        |  |  |  |               |   |  |  |              |   |  |  |               |  |   |  |  |   |  |  |
| 18. Complete?   | X   |           |     |    |     |                      |  |  |  |                        |   |  |  |                         |   |  |  |                  |  |  |  |                               |  |   |  |                                   |   |  |  |                                   |   |  |  |                  |  |  |  |             |   |  |  |              |   |  |  |              |   |  |  |                                   |  |  |  |            |   |  |  |            |   |  |  |  |  |  |  |             |   |  |  |            |   |  |  |                                 |  |  |  |              |   |  |  |             |   |  |  |            |   |  |  |                    |  |  |  |  |   |  |  |              |   |  |  |                        |  |  |  |               |   |  |  |              |   |  |  |               |  |   |  |  |   |  |  |
| 19. Legible?  | X   |           |     |    |     |                      |  |  |  |                        |   |  |  |                         |   |  |  |                  |  |  |  |                               |  |   |  |                                   |   |  |  |                                   |   |  |  |                  |  |  |  |             |   |  |  |              |   |  |  |              |   |  |  |                                   |  |  |  |            |   |  |  |            |   |  |  |  |  |  |  |             |   |  |  |            |   |  |  |                                 |  |  |  |              |   |  |  |             |   |  |  |            |   |  |  |                    |  |  |  |  |   |  |  |              |   |  |  |                        |  |  |  |               |   |  |  |              |   |  |  |               |  |   |  |  |   |  |  |
| 20. Original?   |   | X         |     |    |     |                      |  |  |  |                        |   |  |  |                         |   |  |  |                  |  |  |  |                               |  |   |  |                                   |   |  |  |                                   |   |  |  |                  |  |  |  |             |   |  |  |              |   |  |  |              |   |  |  |                                   |  |  |  |            |   |  |  |            |   |  |  |  |  |  |  |             |   |  |  |            |   |  |  |                                 |  |  |  |              |   |  |  |             |   |  |  |            |   |  |  |                    |  |  |  |  |   |  |  |              |   |  |  |                        |  |  |  |               |   |  |  |              |   |  |  |               |  |   |  |  |   |  |  |
| 20a. If "NO", does the copy indicate where original documents are located?  | X   |           |     |    |     |                      |  |  |  |                        |   |  |  |                         |   |  |  |                  |  |  |  |                               |  |   |  |                                   |   |  |  |                                   |   |  |  |                  |  |  |  |             |   |  |  |              |   |  |  |              |   |  |  |                                   |  |  |  |            |   |  |  |            |   |  |  |  |  |  |  |             |   |  |  |            |   |  |  |                                 |  |  |  |              |   |  |  |             |   |  |  |            |   |  |  |                    |  |  |  |  |   |  |  |              |   |  |  |                        |  |  |  |               |   |  |  |              |   |  |  |               |  |   |  |  |   |  |  |

Over for additional comments.

|  |   |  |
|--|---|--|
| Audited by: <u>Michael J. Fertitta</u><br>Audited by: _____<br>Audited by: _____ | Michael J. Fertitta/ ESAT Data Reviewer<br>_____<br>_____<br>Printed Name/Title | Date <u>02/19/98</u><br>Date _____<br>Date _____ |
| Signature  |   |  |

## TO BE COMPLETED BY CEAT

|                           |                     |                      |
|---------------------------|---------------------|----------------------|
| Date Recvd by CEAT: _____ | Date Entered: _____ | Date Reviewed: _____ |
| Entered by: _____         | _____               | _____                |
| Reviewed by: _____        | _____               | _____                |
| Signature                 |                     | Printed Name/Title   |

DC-2\_\_

Rev. 3/97

In Reference To  
Case 25969 SDG MFHL94  
ESAT File No. I-2170

Contract Laboratory Program  
REGIONAL/LABORATORY COMMUNICATION SYSTEM

Telephone Record Log

Date of FAX: February 23, 1998  
Laboratory Name: AATS  
Lab Contact: Deborah J. Inman  
Region: 6  
Regional Contact: Michael J. Fertitta-ESAT  
FAX initiated by: Laboratory X Region

In reference to data for the following samples:

All samples in the SDG.

Summary of Questions/Issues:

Form 14 (page 74) was missing the ICP analyses found on raw data pages 121 to 139.

Resolution:

Ms. Inman will FAX the Form 14 as soon as possible. The original is expected to be in the laboratory response to CCS.

Michael J. Fertitta  
Signature

02/23/98  
Date

Distribution: (1) Lab Copy, (2) Region Copy

Contract Laboratory Program  
REGIONAL/LABORATORY COMMUNICATION SYSTEM

FAX Record Log

Date of FAX: February 26, 1998  
Laboratory Name: AATS  
Lab Contact: Deborah J. Inman  
Region: 6  
Regional Contact: Michael J. Fertitta-ESAT  
FAX initiated by: Laboratory X Region

In reference to data for the following samples:

All samples in the SDG.

Summary of Questions/Issues:

A. CSF Deliverables

1. The sample cooler temperature (pages 316 to 317) was not recorded in the SDG Narrative (pages 343 to 344) (ILM04.0, A-6, last paragraph of A.I.5). Please provide this information in the narrative for future cases.
2. The sample receipt date on Form 1 for sample MFH-M10 (page 18) should be 01/15/98, not 01/14/98. Please submit this correction unless it has already been submitted in response to CCS.

B. ICP

1. Thank you for the FAX'd corrections to page 74 of Form 14. At this time, please submit the original with the additional corrections addressed below.
2. The raw data concentrations would support page 78 of Form 14 that reports that the zinc analyses should be used from the 02/02/98 ICP sequence for samples MFH-M10, MFH-M11, and MFH-M13. This would make the following corrections necessary.
  - a. The zinc concentration for sample MFH-M10 should be 46.7 mg/Kg, not 65.2 mg/Kg. Please correct and resubmit the Form 1 (page 18).
  - b. The zinc concentration for sample MFH-M14 should be 202 mg/Kg, not 254 mg/Kg. Please correct and resubmit the Form 1 (page 21).

- c. Form 14, page 74: The "X" should be removed from zinc for sample MFH-M10, and an "X" should be added to zinc for sample MFH-M14. Please resubmit the corrected Form 14.
3. The ICP standard on page 147 should be "S", not "S0". Please resubmit pages 146/147 (double-sided) with the requested correction unless they have already been submitted in response to CCS.

The EPA expects the laboratory to look into the above items and submit the data within 7 days to:

Attn: Mahmoud El-Feky - U.S. EPA  
10625 Fallstone Road  
Houston, TX 77099

If you have any questions, please contact me at (713) 988-2993.

Mikhail J. Fertilis  
Signature

02/26/98  
Date

Distribution: (1) Lab Copy, (2) Region Copy